

Amendment to the Claims

1. (Currently Amended) An optical information recording medium comprising:
one or more information layers including a recording layer for recording/reproducing an
information signal by irradiation with a laser ~~light; light;~~ and
and a separating layer or a protective substrate on which a first information layer of the
information layer on the irradiation face side is formed,
the separating layer or the protective substrate having a guide groove spirally or
concentrically formed on the surface, a surface thereof,
and the respective inclined planes on the inner perimeter side and the outer perimeter side
of the guide groove having inclined angles α and β with respect to the bottom face of the
guide groove,
the guide groove having two or more one or more dissymmetric regions in the radius
direction where the inclined angles α and β are different, different, wherein the dissymmetric
regions comprise first and second dissymmetric regions having the following relations: $\alpha - \beta < 10$
degrees in the first dissymmetric region, and $\alpha - \beta \geq 20$ degrees in the second dissymmetric
region.

2-4. (Cancelled)

5. (Currently Amended) The optical information recording medium according to claim 1,
wherein the protective substrate has a radius r and at least one of the first and second

dissymmetric regions the dissymmetric region is formed at a distance larger than $r/2$ from the center of the protective substrate in the radius direction.

6. (Cancelled)

7. (Currently Amended) The optical information recording medium according to claim 1, claim 6, wherein the first dissymmetric region is formed at a distance smaller than $r/2$ from the center of the protective substrate in the radius direction, whereas the second dissymmetric region is formed at a distance larger than $r/2$ from the center of the protective substrate in the radius direction.

8. (Original) The optical information recording medium according to claim 1, wherein the optical information recording medium comprises a single-sided multi-layered configuration, and wherein at least a second information layer, a separating layer having a second guide groove and the first information layer are sequentially laminated on the protective substrate having the first guide groove.

9. (Original) The optical information recording medium according to claim 1, wherein the information layer has roughly agreeing thicknesses in the inclined face portion on the inner perimeter side and in the inclined face portion on the outer perimeter side in the dissymmetric

region.

10. (Withdrawn - Currently Amended) A method for producing an optical information recording medium comprising: comprising one or more information layers including a recording layer for recording/reproducing an information signal by irradiation with a laser light, and a separating layer or a protective substrate on which a first information layer of the information layer on the irradiation face side is formed.

the separating layer or the protective substrate having a guide groove spirally or concentrically formed on a surface thereof,

wherein inclined planes are formed on the inner perimeter side and the outer perimeter side of the guide groove, respectively, and the inclined planes have inclined angles α and β with respect to a bottom face of the guide groove,

the guide groove has two or more dissymmetric regions in the radius direction where the inclined angles α and β are different, and

the dissymmetric regions comprise first and second dissymmetric regions having the follow relations: $\alpha - \beta \leq 10$ degrees in the first dissymmetric region, and $\alpha - \beta \geq 20$ degrees in the second dissymmetric region,

one or more information layers including a recording layer for recording/reproducing an information signal by irradiation with a laser light, and a separating layer or a protective substrate on which a first information layer of the information layer on the irradiation face side is formed, the separating layer or the protective substrate having a guide groove spirally or

~~concentrically formed on the surface, and the respective inclined planes on the inner perimeter side and the outer perimeter side of the guide groove having inclined angles α and β with respect to the bottom face of the guide groove, the guide groove having one or more dissymmetric regions where the inclined angles α and β are different,~~

wherein the production method comprises forming~~wherein~~ the protective substrate is formed by molding with a stamper as a mold produced from a master, and as the master, one is used which has first and second dissymmetric regions~~a dissymmetric region~~ where the inclined angles α and β are different.

11. (Withdrawn) The production method according to claim 10,

wherein the production method comprises forming a resist layer on a substrate for a master, collecting a laser light with a condenser lens to cut the resist layer for forming a mask pattern, and etching the mask pattern to form a spiral or concentric guide groove, and wherein a light axis of the laser light to be incident on the condenser lens is inclined to cut the resist layer.

12. (Withdrawn) The production method according to claim 10,

wherein the production method comprises forming a resist layer on a substrate for a master, collecting a laser light with a condenser lens to cut the resist layer for forming a mask pattern, and etching the mask pattern to form a spiral or concentric guide groove, and wherein two collected laser lights are used to cut the resist layer.